SITE SAFETAT PLAN

					Version 981
	, A.	GENERAL INFORMAT			
1.1	the		FT-1305		
Project Title: West 78	"Circle Site	Project %	E. FMNOP	12.5A	
		TDD/Fan N	10.: <u>F05-8</u>	903-001	
Project Manager: <u>STANU</u>	EY A. SENGER	Project D	oir.: <u>NA</u>		
Location(s): 4470 W.	18 tu Street, Blow	omington, MA	V 55435	·	
Prepared by: Stanley	a Senser	Date Frep	pared: 4-16	8-89	
///	Smigh Sule	Date Appr		9-89	
(Dob Barrett) Site Safety Officer Review:	0 0 20	Date Revi			
					/ -
Scope/Objective of Work:		recon. Inspec	mon, owain	3 SAI SAN	nples
- 1 soil of rediction		the said of			
Proposed Date of Field Acti	vities: May 1	6,89			<u> </u>
Background Info: Complete			y (No analytical able)	t 1	
Documentation/Summary:			•		
Overall Chemical Hazard:	Serious Lov		Moderate [Unknown [1	
Overall Physical Hazard:	Serious Low	[] ⋈	Moderate [Unknown [1	·
	3. ST	TE/WASTE CHARACTE	BLISTICS		sanditu.
Waste Type(s):					
Liquid [Solid []	Sludge [.] Gas/Vapor	t 1	ji nasiba
Characteristic(s):					
Flammable/[]	Volatile 🖂	Corrosive [Acutely Toxic	t 1	
Explosive []		Carcinogen (>	7 Radioactiv	•• [···]	
other: Persistant	, 			 	
Physical Hazards:			·	•	
	Confined* []	Below [Grade] Trip/Fall	ŧ , 1	
Overhead []	Space			<i>r</i>	
Overhead [] Puncture []	Space Burn []	Cut [splash e traffic me	, []	

*Requires completion of additional form and special approval from the Corporate Health/Safety Group. Contact RSC or HQ.



Η'n

site whether med because the sent the sent the sent detailed to the sent detailed
Site History/Description and Unusual Features (see Sampling Plan for detailed description): SEE Affached
"Executive Summary" by MPCA. Site is currently a lattle Company Rest-
awant. Backhoe operations during facility construction revealed haz waste. page
Locations of Chemicals/Wastes: Buried at @ 4'-10' depth in southwest corner of
site. Assume entire site to be contaminated
Estimated volume of Chemicals/Wastos: Approximately 25 five-gallon pails were
revealed upon August 1924 excavation. Some empty cans were removed
from the execuated trench, others were backfilled into the trench.
Site Currently in Operation Yes Mo [] Site is a Restaurant no haz. waste activity involved see next page for summary.
C. MAKARD EVALUATION
List Hazards by Task (i.e., drum sampling, drilling, etc.) and number them. (Task numbers are cross-referenced in Section D)
Physical Hazard Evaluation: 1. Site reconnaissance inspection,
(2) On-site soil sampling.
3,
4.
5.
6.
7.
8.
Chemical Hazard Evaluation:

Compound	PEL/TWA	Route of Exposure	Acute Symptoms	Odor Threshold	Odor Description
Arochlor 1254 (28.9)	13 ppm	ing, eye, skn.	eyelnose/throatirr		
Toluene (94 ppb)	100 ppm	ing, eye, skn	eyelrespiskn irr. Confusion dizzy	.17 ppm	pungent,
M- Xylene (140 ppb)	100 ppm	all routes	dizzy, headache,	.05 ppm	aromatic
1,1,2-Trichleroethene	50 ppm	ing, eye, skn,	eyelMoseltBroat irr Mausea, blumy vision	50 ppm	Chloroform-like
(8.5 ppm)			, , , , , , , , , , , , , , , , , , , ,	J J	
					·

Note:	Complete and	attach a	Hazard	Evaluation	Sheet	for	major	known	contaminant.

Site Kume	Wast 78th Circle site
Job Ho.	FT-1305
	50- 0902 - 001/EUNI 01725A



SITE EISTORY (Centinued)

Minnesota Pollution Control Agency

January 6, 1985

78th Circle Site MND980995872

Situation

The 78th Circle Site of Bloomington was purchased by the Saga Corporation for the construction of a restaurant. This site abuts Aztec Industries to the northeast, a former hazardous waste site under investigation by the Minnesota Pollution Control Agency (MPCA). During installation of utilities, approximately 25 five-gallon pails containing a dark viscous material were uncovered. Samples of the material were taken and low concentrations of toluene, m-xylene, trichloroethylene, and polychloronated biphenols were found in the material.

Most of the contaminated soil and leaking pails were backfilled into the trench. The remaining pile of contaminated soil, containing about five pails of material, was subsequently spread over the surface. The surface was then paved for a parking lot, and the pails were disposed of into a dumpster.

Inspection Priority Recommendation

A low priority for inspection and a low potential hazard is recommended for this site. The contaminated area of the property was paved, thereby reducing the potential of leaching of the materials. No private wells are suspected to be in the area.	

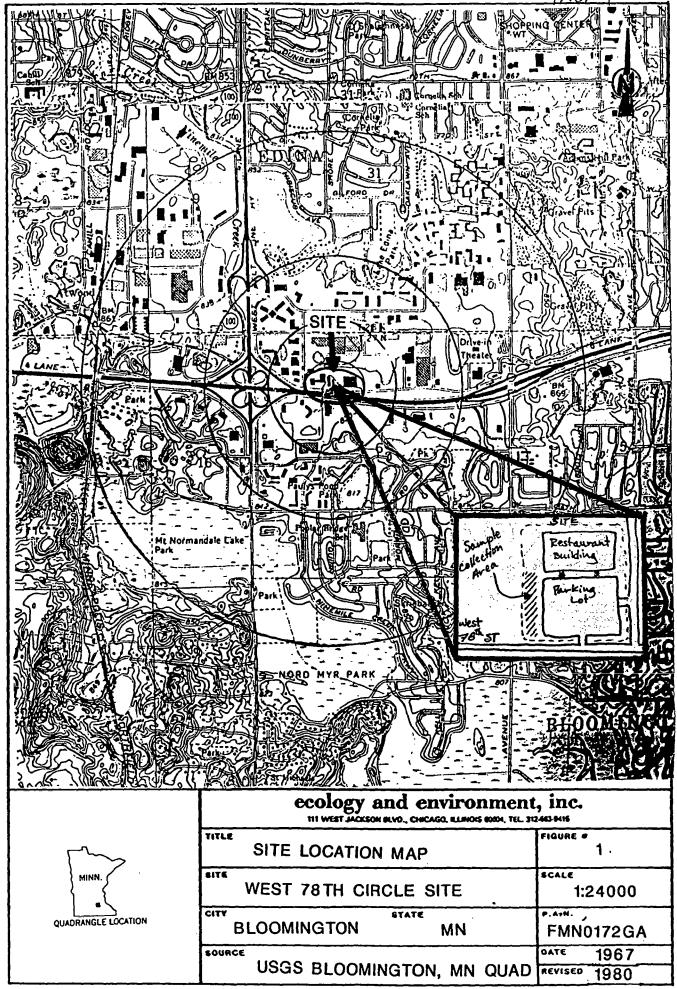
		D. SIT	e safety work P	LAN			
Site Control:	Attach map, or sketch o	f site showi	ng hot zone, co	ntamination	reduction	n, zone, etc.	
Perimeter i	dentified? Yes	No []	Site secured?	144 · 1		Yes []	No I
Work Areas	Designated? Yes [>	No []	Zone(s) of Co	ntamination	Identifi	ed? Yes	Ko []
Personnel Prot	ection: TLD badges requ	ired for all	field personne	1.			
Anticipated	Level of Protection (Cr	oss-referenc	e task numbers	to Section	c):		
	TASK DESCRIPTION	A	В	С	D	Modified	evel D
Task 1	Recon. Inspection					X At mi	nimum;
Task 2	On-site Soil Sampling			4	-X		toed Book
Devson	el driving split spoon	with sled	ae hammer	shall we	ar	boot	
	and safety glasses c					cribed aloves	Disposable and/or
at right.	1 000					1 Jun Ha	er work
	RS THE SOIL SAMP		11		-	3.5	-
	JARS (Level C"	•				disa	}
	ies, ultra twin respir			, a]
depth sh	all not exceed 10	feet,	•			•	
	Rad-Mini >0.1 mR/hr (a	larm sounds)	and/or Monitox	readings >	O ppm, ev	acuate work zon	ne and
	th and Safety Staff.				· · - · · · · · · · · · · · · · · · ·		
Action Levels	for Evacuation of Work E	one Pending	Reassessment of	Conditions		T HEALTH AND SECURT	
o Level	D: 0, <19.5% or >25%,	explogive at	mosphere >10% I	EL, organic	vapors a	bove background	d levels,
	párticulates > N/A	•		- •			
o Level	l C: 0, <19.5% or >25%, breathing zone) >5	explosive at ppm, particu	mosphere >25% I lates > <u>N/A</u> mg	EL ₃ (Califor /m , other	nia-20%), <i>N/</i> 4	unknown organ: _•	lc vapor (in
o Level	l B: 0, <19.5% or >25%,	explosive at	mosphere >25% I	EL (Çalifor	nia-20%),	unknown organi	lc vapors (in
	břeathing zone) >50					 •	
o Level	l A: O ₂ <19.5% or >25%, >500 ppm, particula	explosive at tes > N/A m	mosphere >25% I g/m , other //	EL (Califor //A .	nia-20%),	unknown organ:	lc vapors
	y (daily calibration unle						
			•				•
	Contaminant of Inter	1 -	pe of Sample ea, personal)	Monitor Equipme	•	Frequency of Sampling	
	1/0						

Contaminant of Interest	Type of Sample (area, personal)	Monitoring Equipment	Frequency of Sampling
NIA			
			(
		1	

Decontamination Solutions and Procedures for Equipment, Sampling Gear, etc.:

A solution of Alconox detergent and distilled water will be used to wash spoons, trowels, bowls, split spoons and other sampling equipment before and after sampling. These items will then be 3x rinsed w/dist. water prior to sampling or removal from site.

FMN0172SA 4/18/89



Personnel Decon Protocol: Disposable protect	ive gear will be worn whenever possible.
Disposable boots, glaves, and saranex	suits will be removed from
personnel in such a way as they will be	turned inside-out. Vitongloves which
are deemed renseable shall be washed	in alconox/dist. water solution and 3x inved
Decon Solution Monitoring Procedures, if Applicable:	N/A Water.
Special Site Equipment, Facilities, or Procedures (Sani Must Meet 29 CFR 1910.120):	tary Facilities and Lighting
FIT members driving split spoon to depth me	ust wear hard hat and safety glasses.
FIT members are to observe all areas m	arked by orange flags or paint these
are areas where Diagre's Horune has iden	Hified buried utilities. DO NOT EXCEED 10-foot
Site Entry Procedures and Special Considerations: Permi	ssion will be obtained prior to site entry. Stay
upwind of contamination when possible. The buddy syste	m will be maintained at all times.
Work Limitations (time of day, weather conditions, etc.) and Heat/Cold Stress Requirements:
Work is restricted to daylight hours only and workers a	re to be monitored for heat/cold stress.
When vermiculite is used to pack samples, dust masks wi	11 be worn.
General Spill Control, if applicable: NA .	· · · · · · · · · · · · · · · · · · ·
Investigation-Derived Material Disposal (i.e., expendab	les, decon waste, cuttings):
Investigative-derived materials will be decontaminated	in accordance with procedures listed above. The
decontaminated material will be bagged and left on-site	in appropriate waste comtainers with prior permission
of site owner/operator. If this is not acceptable, the	y will be disposed of im a municipal dumpster or other
appropriate waste container.	
Sample Handling Procedures Including Protective Wear:	•
After samples have been collected, the outside of the s	ample bottles will be decontaminated by washing (not
submerging) the bottles in an Alconox solution and rins	ing in distilled water. The protective clothing level
(i.e. suits, gloves, boots) worn during on-site job act	ivities will be maintained while decontaminating the
bottles. Respiratory protection will be worn based on	professional judgment. Latex gloves, at a minimum, will
be worn, while handling the bottles after decontaminati	
Team Hember*	Responsibility
STAN SENGER	Torm Leader
DAN SULLIVAN	Team member / Backup Safety efficer
KURT SIMS	Team Member
RON GALMORE	Jampler
DES BARRETT	SAFETY OFFICER
MIKE PHILLIPS	Sampler TRAINEE

^{*}All entries into exclusion zone require Buddy System use. All E & E field staff participate in medical monitoring program and have completed applicable training per 29 CFR 1910.120. Respiratory protection program meets requirements of 29 CFR 1910.134, and ANSI Z88.2 (1980).

E. EMERGENCY INFORMATION

(Use supplemental sheets, if necessary)

LOCAL RESOURCES

(Obtain a local telephone book from your hotel, if possible)

Ambulance Aennepin Co. Durbulance 911
Hospital Emergency Room FAIRVIEW SOUTHDALE HOSPITAL (612) 924-5151 or 911
Poison Control Conter Hennepin Co. Poison Control Ctr (6/2) 347-3141 or (911)
Police (include local, county sheriff, state) Blooming ton MN ((e/2) 881-2333 (911)
Minnesota State Police (612) 482-5900
Fire Department City of Bloomington FIRE Dept (412) 887-9433 (911)
Airport Will not be used N/A.
Agency Contact (EPA, State, Local USCG, etc.) Ron Swenson, MPCA, (6/2) 297-1793
Local Laboratory N/A
UPS/Fed. Express To be arranged prior to site inspection.
Client/EPA Contact DON Josif, U.S. EPA, (3/2) 886-0393
site contact Bob Benemeyer, Restaurant MGR for Patrick Kelvie, Cattle Co. Restaurant Lauryer (6/2) 297-1793 STEP PESCURIERS (415) 949-6400
(6/2) 297-/793 / (4/5) 949-6460 SITE RESOURCES
site Emergency Evacuation Alarm Method Three short bursts of vehicle horn, repeated 3 times.
water supply source FIT shall provide its own water.
Telephone Location, Number Dhone location is in restaurant on-site: (612) 835-1225.
Collular Phone, if available N/A
Radio N/A
other EFE WAREHOUSE, (312) 775-7763
EMERGENCY CONTACTS
1. Dr. Raymond Harbison (Univ. of Florida) (501) 221-0465 or (904) 462-3277, 3281 Alachua, Florida (501) 370-8263 (24 hours)
2. Ecology and Environment, Inc., Safety Director
Paul Jonmaire (716) 684-8060 (office) (716) 655-1260 (home)
3. Regional Office ContactPaul Moss (312) 541-6635 (home) (312) 663-9415 (office)
4. Office Manager

MEDTOX HOTLINE

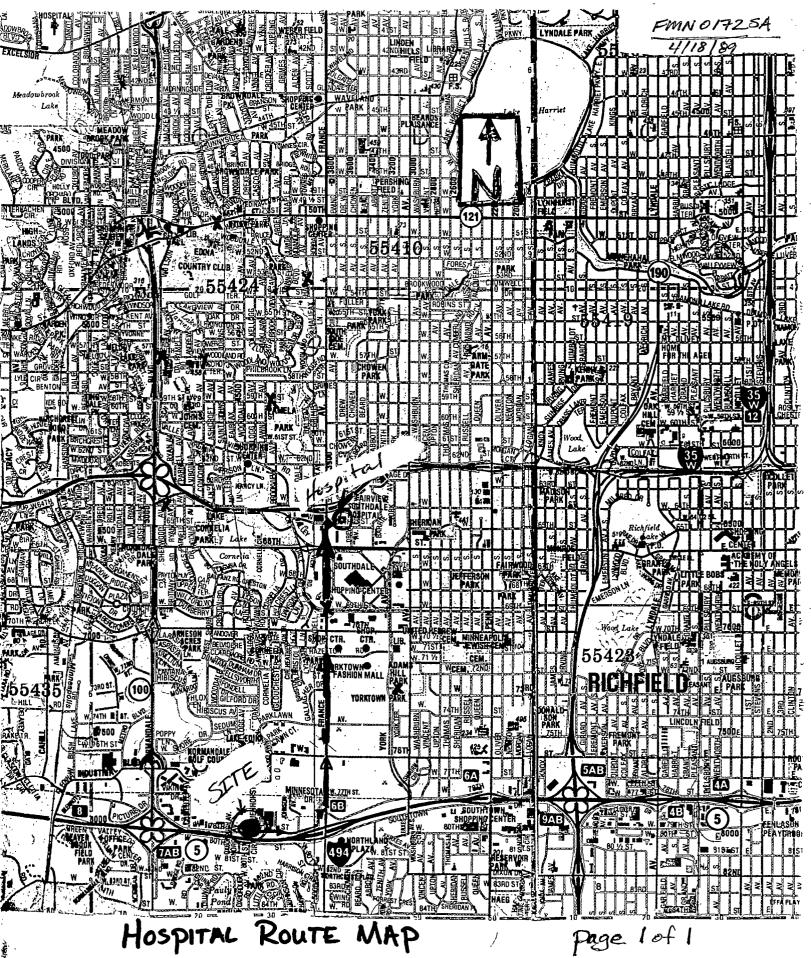
1. Twenty-fear hour answering service: (501) 370-8263

What to report:

- State: "this is an emergency."
- Your name, region, and site.
- Telephone number to reach you.
- Your location.
- Name of person injured or exposed.
- Nature of emergency.
- Action taken.
- 2. A toxicologist, (Drs. Raymond Harbison or associate) will contact you. Repeat the information given to the answering service.
- 3. If a toxicologist does not return your call within 15 minutes, call the following persons in order until contact is made:
 - a. 24 hour hotline (716) 684-8940
 - b. Corporate Safety Director Paul Jonmaire home # (716) 655-1260
 - c. Assistant Corp. Safety Officer Steven Shernan home # (716) 688-0084

EMERGENCY ROUTES

(NOTE: Fleid team must know Route(s) Prior to Start of Work)
Directions to hospital (include map) Exit site parking lat onto 78th Street and go East (left).
It the intersection of 78th and France (@ 0.25 mi.) go month (left) on France Ave.
for approx. 2 miles. Hospital will be on your right: 6401 France Are So.
for approx. 2 miles. Hospital will be on your right: 6401 France Ave So.
Exergency Egress Routes to Get 011-51 Exit site from parking lot on south end of
facility.



FMN01725A

Chemical NamePolychlorinated Biphenyl	Date 4/18/89
(PCB) - Arochlor 1254 DOT Classification	F1 1 503
."	
CAS Number11097-69-1	
REFERENCES CONSULTED (circle; also include NIOSH/OSHA Pocket Guide Merck Index Haz	zardline Chris(vol.III)
ACGIH TLV Booklet Toxic & Hazardous Safe RTECS other: Sittig, Casarett & Doull's	
Health Guidelines	10111 00110 111111111111111111111111111
CHEMICAL PROPERTIES: (Synonyms: Arochlor 1	1254 (54% chlorine), chlorodiphenyl)
Chemical Formula C12H5Cl5 MW 326	_Ionization Potential N/A
Physical State viscous liq.dBoiling Point	
Flash Point 432° F Flammable Limits U	Jnknown vapor Pressure .UUUUbmm
Specific Gravity/Density 1.5 Odor/	Odor Inreshold not good warning
Solubility-water: <u>Insoluble</u> Solubil Incompatabilities & Reactivity: <u>Strong</u>	ovidizans heat
incompatabilities & Reactivity. Delong	OXIGIZEIS, Heat
MOXICOLOGICAL PROPERTIES:	
exposure Limits: TLV-TWA (ACGIH) 0.5 mg/m	n ³ (skin) PEL (OSHA) 0.5 mg/m ³
STEL 1mg/m ³ Ceiling Limits none	
Toxicity Data: (Indicate duration of stud	ly)
Human; IHL Dermal	Oral
Rat/Mouse; IHL Dermal_Tdlc	o 4mg/kg;ETA Oral LD50 1295 mg/kg
Aquatic:Other:	
Garcinogen sus-hum. Mutagen exp Re	eproducti <u>ve Toxin exp.teratogen</u>
te(s) of exposure - (circle all that a	apply): (Inhalation (Ingestion)
mal Contact (Eye(ocular)) Dermal Absor	cption Other
HANDLING RECOMMENDATIONS: (personal prote	ective measures)
Respirators: >any detectable limit - SCBA	
Protective Clothing: Excel-viton; good-but	
Special Equipment: Clothing to avoid con	itact, safety goggles.
DICDOCAL EIDE Labitra. /n l	1
DISPOSAL, FIRE and SPILLS: (Use numbered co	des; see attached sheets for
explanation.) .sposal D.0 Fire 7 Le	
Decomposition Products: Toxic fumes of hy	eaks&Spills
becomposition froducts. Toxic lumes of my	drogen chioride and co.
FIRST AID:	
ING: Medical atten. immed., give salt water	er induce vomiting
IHL: Move to fresh air, artifical resp. i	
Eye/Skin:Irrigate/rinse immed. with water	
water.	Henry myrry orrow or drived Handy many many
SYMPTOMS:	•
acute(immediate) exposure effects: Irrita	ation of eyes, nose, throat. Can cause
vomiting, edema, anorexia, nausea, abdomina	al pain. fatigue.
,,,,	<u>. </u>
chronic(long term) exposure effects:Chlor	rache or dermatitis from prolonged sk

contact, jaundice, dark urine, liver damage or cancer. Increase in chlorination

oductive effects: Accidental oral intake has shown that PCB's may be abbryotoxic causing stillbirth, characteristic grey-brown skin, and increased

eye discharge to infants born to women exposed during pregnancy.

increases toxicity of PCB (see Arochlor 1242).

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Chemi	ical Name	Toluene	Date 4/18/89
DOT (Classificatio	on	Job Number FMN01723A
CAS N	Number108	3-88-3	
NIOSH/OS ACGIH TI	SHA Pocket Gu	ide Merck Index <u>Haz</u> Toxic & Hazardous Safe	e MSDS if approprate.) ardline Chris(vol.III) ty Manual SAX Aldrich
Chemical Physical Flash Po Specific Solubili	Formula <u>C6F</u> State <u>lique</u> Sint <u>40°F</u> Gravity/Den Sty-water: <u>s</u>	aid Boiling Poin Flammable Limits 1 asity 0.867 Odor/ lightly Solubil	hane, methyl benzene) Ionization Potential 8.82ev t 231°F Freezing Point -139°F .27-7% Vapor Pressure 22mm Odor Threshold 0.17ppm ity-other: idizers, nitric acid, peroxides
Toxicity Human; Rat/Mo Aquati Carcir	Jordan (Skin) Jordan (Judia (7-TWA (ACGIH) 100ppm Ceiling Limits 300p cate duration of stude 200ppm Dermal 0 4000pm/4H Dermal 00-10ppm Other: Mutagen exper Re	OralOral productive Toxin_exp.teratogen pply): Inhalation (Ingestion)
Respirat Protecti	tors: 1000ppn	Poor-neopene, butyl.	
SPOSAL	L, FIRE and SI	<u>PILLS</u> : (Use numbered co explanation.)	des;see attached sheets for
Disposal Decompos	l <u>D</u> sition Produc	Fire_6.7 Le	aks&Spills3,4,5,6,9
IHL: Rem	not induce volume to fresh	vomiting, contact phys n air, artifical resp, ash with large amounts	
	mediate) exp	posure effects: IHL:di quid irritates eyes, d	zziness,headache, ING:vomiting, ries skin.
	ion may cause		ey and/or liver damage if ingested hypoplasia. Dermatitis with skin
reproduc	ctive effects	s: None	

Chei	mical Name	Trichloroet	hylene	Date 4/18,	/89	
DOT	Classific	ation		Job Number	FMNOM254	<u> </u>
CAS	Number	79-01-6	- ' 			
NIOSH/C ACGIH	OSHA Pocket TLV Booklet	TED (circle; Guide) Merc Toxic & Ha Sittig	k Index Haza	rdlin <u>e</u> Chr	ris(vol.III)	
Chemica Physica Flash I Specif: Solubil	al Formula al State <u>l:</u> Point <u>None</u> ic Gravity, lity-water:	ES: (Synonyms C2HCl3 quid Flamma Density 1.4 Insoluble & Reactivit	MW 131 I Boiling Point ble Limits 8- 6 Odor/C Solubili	onization F 188°F Fre 10.5% Vapo dor Thresho ty-other:	Potential 9.4 eezing Point or Pressure old 50ppm	7ev -123°F 58mm
STEL Toxici Human Rat/I Aquat	200ppm ty Data: (1 n; IHLTo Mouse; IHLLo tic: T/M 96 inogen pos- e(s) of ex	DPERTIES: TLV-TWA (ACG Ceiling Indicate dura clo 160ppm/83 clo 8000ppm/4 6:100-10ppm -anim. Mutage: Dosure - (circ	Limits 200 tion of study min Dermal hr Dermal Other: exp. n exper. Repr cle all that	ppm II On human carc oductive To apply): Inh	calcinogen oxin exp. termalation (Inge	atogen
Respira Protect	ators: 500pp	MDATIONS: (per om - APR w/or ing: Excel-vi- nitrile. c: None	ganic cartrid ton;Good-neop	ge; 1000ppm rene/styren	n-SCBA	, neoprene,
Disposa	al <u>A</u>	SPILLS: (Use exp Fire 11 oducts: CO, CO	lanation.) .13 Lea	.ks&Spills	1,4,6,9	
IHL: Re	ve large ar emove to fi in:Irrigate	nounts of wateresh air, CPR e/flush with ap and water.	if necessary	, medical a	attent. immed	
	immediate)	exposure effor			e & throat, na	ausea,
		n) exposure e atral nervous			idney damage,	cardiac

reproductive effects: Has produced reproductive effects in experimental

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animals.

Chemical Name Xylene (mixed isomers) Date 4/18/89
DOT Classification Job Number FMN 0172.54
CAS Number 1330-20-7
REFERENCES CONSULTED (circle; also include MSDS if appropriate.) (NIOSH/OSHA Pocket Guide) Merck Index (Hazardline) Chris(vol.III) (ACGIH TLV Booklet) Toxic & Hazardous Safety Manual (SAX Aldrich) RTECS other: Sittig
CHEMICAL PROPERTIES: (Synonyms: dimethyl benzene, aromatic hydrocarbons) Chemical Formula Cs H4 (CH3)2 MW 106 Ionization Potential 8.56/8.44ev Physical State liquid Boiling Point 292/282°F Feezing Point -12°F Flash Point 81-90°F Flammable Limits 1-7% Vapor Pressure 7-9mm Specific Gravity/Density .864 Odor/Odor Threshold .05ppm Solubility-water: Insoluble Solubility-other: Miscible-ether.ethanol Incompatabilities & Reactivity: strong oxidizers
Exposure Limits: TLV-TWA (ACGIH) 100ppm PEL (OSHA) 100ppm STEL 150ppm Ceiling Limits none est. IDLH 10.000ppm Toxicity Data: (Indicate duration of study) Human; IHL Tclo 200ppm Dermal Oral Rat/Mouse; IHL Dermal Oral Aquatic: 96hr: 22ppm Other: Carcinogen neg-anim Mutagen exper Reproductive Toxin exp.teratogen Sute(s) of exposure - (circle all that apply): Inhalation Ingestion Dermal Contact (Eye(ocular)) Dermal Absorption Other
HANDLING RECOMMENDATIONS: (personal protective measures) Respirators: 1000 ppm APR, 5000 ppm - SCBA Protective Clothing: Good-nitrile, viton; poor-butyl rubber, neoprene. Special Equipment: Safety goggles, protective clothing for prolonged exposures. SPOSAL, FIRE and SPILLS: (Use numbered codes; see attached sheets for explanation.) Disposal D Fire 6.7 Leaks&Spills 3.4.5.6.9 Decomposition Products: CO, CO2
FIRST AID: ING:Do not induce vomiting, contact physician; immediately. IHL: Move to fresh air, artificial resp. if necessary. Eye/Skin: Irrigate/rinse with water for at least 15 min. Wash skin throughly with soap and water. SYMPTOMS: acute(immediate) exposure effects: Vapors cause dizziness, headache, coughing, pulmonary distress & edema. Nausea, vomiting, abdominal cramps also seen with
bronic(long term) exposure effects: Possible liver and/or kidney damage, monary congestion. Ingestion may be fatal.

THE SIGMA-ALDRICH LIBRARY OF CHEMICAL SAFETY DATA

1.3

Explanation of Codes

PROCEDURES FOR SPILLS OR LEAKS

- Absorb on sand or vermiculite and place in closed container for disposal.
- 2 Cover with dry lime, sand, or soda ash. Place in covered containers using nonsparking tools and transport outdoors.
- 3 Shut off all sources of ignition.
- 4 Evacuate area.
- 5 Cover with an activated carbon adsorbent, take up and place in closed container. Transport outdoors.
- 6 Ventilate area and wash spill site after material pickup is complete.
- 7 Swoop up, place in a bag and hold for waste disposal.
- 8 Avoid raising dust.
- 9 Wear self-contained breathing apparatus, rubber boots and heavy rubber gloves.
- 10 Wear respirator, chemical safety goggles, rubber boots and heavy rubber gloves.
- 11 Cover with dry lime or soda ash, pick up; keep in a closed container and hold for waste disposal.
- 12 Carefully sweep up and remove.
- 13 Flush spill area with copious amounts of water.
- 14 Mix with solid sodium blcarbonate.
- 15 Place in appropriate container.
- 16 Wear protective equipment.
- 17 Wash spill site with soap solution.
- 18 Please contact the Technical Services Department. Be sure to mention the name and catalog number of the material.

FIRE-EXTINGUISHING MEDIA

- 1 Carbon dloxide.
- 2 Dry chemical powder.
- 3 Water spray.
- 4 Alcohol or polymer foam.
- 5 Class D fire-extinguishing material only.
- 6 Water may be effective for cooling, but may not effect extinguishment.
- 7 Carbon dioxide, dry chemical powder, alcohol or polymer foam.
- 8 Foam and water spray are effective but may cause frothing.
- 9 Do not use dry chemical powder extinguisher on this material.
- 10 Do not use carbon dioxide extinguisher on this material.
- 11 Noncombustible.
- 12 Do not use water.
- 13 Use extinguishing media appropriate to surrounding fire conditions.



WASTE-DISPOSAL METHODS

The disposal methods outlined below are intended only as guides. We do not assume responsibility for their use. Caroful consideration must be given to the chemical and physical proporties of the substance. In addition, local laws and regulations may preclude the use of these methods which are primarily designed for small quantities. Observe all federal, state, and local laws.

The disposal of some chemicals may require deactivation or modification of the material by chemical means. Chemical waste-disposal reactions must be handled with the same care and consideration used with synthetic procedures. Appropriate consideration must be given to reaction conditions, *i.e.*, stoichiometry, order and rate of addition, heat of reaction, evolution of gaseous products, pH, efficiency of stirring, rate of reaction, atmospheric sensitivity, etc.

Chemical waste-disposal reactions should be carried out in a chemical fume hood and in appropriate laboratory glassware. Because these reactions are often vigorous, protective safety equipment such as safety goggles, respirator, gloves, face and/or safety shield and other protective equipment must be used.

initial reactions in a disposal sequence should be carried out on a small scale (5-10g). The reactant concentrations should not exceed 10% of the reaction volume and the final reaction volume should not exceed 50% of the working capacity of the reaction vessel, regardless of the reaction scale. Larger quantities of the material should be handled in several small-size reactions. To ensure completion of reaction, the waste disposal procedure should be run for at least an additional 4 to 8 hours after all materials have been mixed.

All reactions should be run by technically qualified persons familiar with the potential hazards of the chemical reactions.

- A Dissolve or mix the material with a combustible solvent and burn in a chemical incinerator equipped with an afterburner and scrubber.
- B The material should be ignited in the presence of sodium carbonate and sisked lime (osiglum hydroxide). The substance should be mixed with vermiculite and then with the dry caustice, wrapped in paper and burned in a chemical incinerator equipped with an afterburner and scrubber.
- C This combustible material may be burned in a chemical incinerator equipped with an afterburner and scrubber.
- D Burn in a chemical incinerator equipped with an afterburner and scrubber but exert extra care in igniting as this material is highly flammable.
- E To a solution of the product in water, add an excess of dilute sulfuric acid. Let stand overnight. Remove any insolubles and bury in a landfill site approved for hazardous-waste disposal.
- F Cautiously dissolve the material in water. Neutralize immediately with sodium carbonate or, if the material does not dissolve completely, add a little hydrochloric acid followed by sodium carbonate. Add calcium chloride in excess of the amount needed to precipitate the fluoride and/or carbonate.

Separate the insolubles and bury in a landfill site approved for hazardous-waste disposal.

- Under an inert atmosphere, cautiously add the material in dry bulanci in an appropriate anivent. The chemical reaction may be vigorous and/or exothermic. Provisions must be made for venting of large volumes of highly flammable hydrogen and/or hydrocarbon gases. Neutralize the solution with aqueous acid. Filter off any solid residues for disposal as hazardous waste. Burn the liquid portion in a chemical incinerator equipped with an afterburner and scrubber.
- H Neutralize the solution and add filtering agent (10g per 100ml). Evaporate the liquid and bag the residual solid for burial in a landfill site approved for hazardous-waste disposal.
- Dissolve the solid in (or dilute the solution with) a large volume of water. Carefully add a dilute solution of acetic acid or acetone to the mixture in a well ventilated area. Provisions should be made to vent safely the hydrogen gas given off during the decomposition. Check acidity of the solution and adjust to pH 1 if necessary. Let stand overnight. Neutralize the solution (pH 7). Evaporate the solution and bury the residue in a landfill site approved for hazardouswaste disposal.
- J Cautiously acidify a 3% solution or a suspension of the material to pH 2 with sulfuric acid. Gradually add a 50% excess of aqueous sodium bisulfite with stirring at room temperature. An increase in temperature indicates that a reaction is taking place. If no reaction is observed on the addition of 10% of the sodium bisulfite solution, initiate it by cautiously adding more acid. If manganese, chromium, or molybdenum is present, adjust the pH of the solution to 7 and treat with sulfide to precipitate for burlal as hazardous waste. Destroy excess sulfide, neutralize and flush solution down the drain.
- K Please contact the Technical Services Department. Be sure to mention name, catalog number and quantity of the material.
- L. The material should be dissolved in 1) water; 2) sold solution or 3) exidized to a water-soluble state. Precipitate the material as the suifide, adjusting the pH of the solution to 7 to complete precipitation. Filter the insolubles and dispose of them in a hazardous-waste site. Destroy any excess suifide with sodium hypochlorite. Neutralize the solution before flushing down the drain.
- M A slurry of the arenediazonium salt with water can be disposed of by adding it gradually to a stirred solution of 5-10% excess 2-naphthol in 3% aqueous sodium hydroxide at 0-20°C. After 12 hours, the resulting azo dye is filtered and either incinerated or buried in a landfill site approved for hazardous-waste disposal. Neutralize the remaining solution before disposal.
- N For small quantities: cautiously add to a large stirred excess of water. Adust the pH to neutral, separate any insoluble solids or liquids and package them for hazardous-waste disposal. Flush the aqueous solu-

- tion down the drain with plenty of water. The hydrolysis and neutralization reactions may generate heat and fumes which can be controlled by the rate of addition.
- Bury in a landfill atte approved for the disposal of chemical and hazardous waste.
- P Material in the elemental state should be recovered for reuse or recycling.
- Caullously make a 5% solution of the material in water or dilute acid. There may be a vigorous, exothermic reaction and fumes may be generated due to the hydrolysis of the material. Control any reaction by cooling and by the rate of addition of the material. Gradually add dilute ammonium hydroxide to pH 10. Filter off any precipitate for disposal in a chemical landfill. If there is no precipitation, gradually adjust the pH from 10 to 6, stopping when precipitation occurs.
- R Catalysts and expensive metals should be recovered for reuse or recycling.
- S Treat a dilute basic solution (pH 10-11) of the material with a 50% excess of commercial laundry bleach. Control the temperature by the addition rate of bleach and adjust pH if necessary. Let stand overnight. Cautiously adjust solution to pH 7. Vigorous evolution of gas may occur. Filter any solids for burial in a chemical landfill. Precipitate any heavy metals by addition of sulfide and isolate for burial. Additional equivalents of hypochlorite may be needed if the metal can be oxidized to a higher valence state. For metal carbonyls, the reaction should be carried out under nitrogen.
- T Cautiously make a 5% solution of the product in water; vent because of possible vigorous evolution of flammable hydrogen gas. Acidify the solution to pH 1 by adding 1M sulfuric acid dropwise. Acidification will cause vigorous evolution of hydrogen gas. Allow the solution to stand overnight. Evaporate the solution to dryness and bury the residue in a landfill site approved for hazardous-waste disposal.
- U Take the material (or a solution) and make a 5% solution in tetrahydrofuran. Cautiously add the solution dropwise to an ice-cooled, stirred basic solution of commercial bleach. Oxidation may release flammable hydrocarbon gases which must be vented. Let stand overnight. Adjust the pH to 7 and destroy excess hypochlorits with sodium bisulfite before disposal of the solution.
- V Under an inert atmosphere cautiously add dry butanol or a mixture of dry butanol in an appropriate solvent, to a solution of the material in tetrahydrofuran. The chemical reaction may be vigorous and/or exothermic. Provisions must be made for the venting of a large volume of flammable hydrogen gas. When gas evolution ceases, cautiously add a basic hypochlorite solution dropwise to the reaction solution. Let stand overnight. Neutralize the solution and treat with sodium bisulfite to destroy any excess hypochlorite. Filter any solids for burial in a landfill site approved for hazardous-waste disposal.

SITE DOSIMETER LOG

PROJECT/PAN	# FMN	0172SA		SITE NAM	E Wes	+ 78th Co	rcle Site
SITE SAFETY	OFFICER	Deb Ba	wett_	WEEK OF	5/15		
NAME AND DOSIM. #	MONDAY	TUESDAY					SUNDAY
S. SENGER							
#217			,	!]			
D. BARRETT							
#231							
D. SULLIVAN							
#207			İ				
K. Sims							
#76							
M. Phillips				[
#236							
GALMORE							
e. #236 GALMORE #189							
			-				
	[[[

To the nearest half-hour, record time spent downrange as "S" (e.q., S:2.5hrs), time spent in active PDS operation as "P", and any time spent downrange in rescue activity as "R".

HS005(2/24/89)

Warehouse Phone (212) 775-7763		JOD/PAN FMN0172	5 4
Warehouse Phone (312) 775-7763	F. EQUIPMENT	Toan Loador S. SENGE	R
PROTECTIVE GEAR			
Level A	No.	Level B	No.
SCBA		SCBA	1
SPARE ATR TANKS		SPARE AIR TANKS	
ENCAPSULATING SUIT (Type)		PROTECTIVE COVERALL: TYPO SARANEX	
SURGICAL GLOVES (Latex)		SM N L	
NEOPREMI SAFETY BOOTS		BUTYL APRON	
BOOTIES (Latex)		SURGICAL GLOVES (LATEX)	
GLOVES: TYP•		GLOVES: Type Vitons	
sm n L		SH HL	
OUTER WORK GLOVES		NEOPRENE SAFETY BOOTS	
CASCADE SYSTEM		BOOTIES (LATEX)	
5-HINUTE ESCAPE MASK		HARD HAT	
COOLING VEST		FACE SHIELD	
HARD HAT		MANIFOLD SYSTEM WITH AIRLINE	
		CASCADE SYSTEM :	
Level C	,	RAIN SUIT	
ULTRA-TWIN RESPIRATOR		OUTER WORK GLOVES	
POWER AIR PURIFYING RESPIRATOR			
CARTRIDEES (Type GMC-H)		Level D	
PROTECTIVE COVERALL: Type SARANEX		ULTRA-TWIN RESPIRATOR (Available)	
SH # 5 XX L 4		CARTRIDGES (Type GMC-H)	1 Box
BUTYL AFRON		5-HINUTE ESCAPE MASK (Available)	2
SURGICAL GLOVES (LATEX) / Box	1 Bux	PROTECTIVE COVERALL: Type SARANEX	
GLOVES: Type Vitous		sh 8	12
sm m pr L Copr.	7 pr.	OUTER WORK GLOVES VITIN	7
OUTER WERK GLOVES		HARD HAT	6
HARD HAE		FACE SHIELD NIA	
FACE SEIELD		RAIN SUIT NIA	- \
HARDHAT		WINTER BOOTS N/A	
RAIN SULT		BOOTIES (LATEX)	14 pr.
NEOPREM SAFETY BOOTS	/	NEOPRENE SAFETY BOOTS	
BOOTIES (LATEX)	DE	STEEL TOED BOOTS	le pr.
STEEL TIED BOOTS		SAFETY GLASSES	Lepr.
15017(03/17/89)	1/2 /2 H	Surgical Gloras (later)	Box

e Cy

INSTRUMENTATION	No.	DECOM EQUIPMENT	No.
ΟΛΥ		WASH TUBS	1
THEREAL DESORBER		BUCKETS	1
02/ETTLOSIMETER W/CAL. KIT	1	SCRUB BRUSHES	1
PHOTOGAC TIP		PRESSURIZED SPRAYER	
HRU (3robe 10.2 OR 11.7)		DETERGENT (Type Alconox MSA Son.	1 ca
KAGNITCHETER		SOLVENT (Type)	
PIPE LCCATOR		PLASTIC SHEETING	
WEATHER STATION		TARPS AND POLES	
DRAEGER PUMP, TURES		TRASH BAGS	2 boxes
BRUKTIN COMPASS		TRASH CANS	
HONITEX CYANIDE		MASKING TAPE	
HEAT STRESS MONITOR		DUCT TAPE	
BOISE EQUIPMENT		PAPER TOWELS	4 volls
PERSONAL SAMPLING PUMPS (Type)		DUST MASK	10
DUST MONITOR (MDA OR GCA System) .		FACE MASK SANITIZER MSA San. Soln	1 bag
		FOLDING CHAIRS	0
RADIATION EQUIPMENT		STEP LADDERS	
TLD BADGES	6	DISTILLED WATER	8 gal.
DOCUMENTATION FORMS			
PORTMLE RATEMETER			
SCALIZ/RATEMETER		SAMPLING EQUIPMENT	
Sal Probe		80 OZ. AMBER GLASS BOTTLES	.27 1-
Ins Probe		1 L. AMBER GLASS BOTTLES	777
GM Pancake Probe		40 ML. VIALS	
GH Side Window Probe			i vežali Viji vežali
MICRO R METER / RAD-MINI	1	8 OE. GLASS	12
ION CHAMBER		120 ML. GLASS	12
ALERT DOSIMETER		SPOORS	5
POCKET DOSIMETER		KNIVES	
		FILTER PAPER	[A,7]
FIRST AID EQUIPMENT		PERSONAL SAMPLING PUMF SUPPLIES	1
FIRST AID KIT	1 Kit	BUCK CALIBRATOR	
OXYGEN ADMINISTRATOR		HAND BAILERS	
STRETCHER		THIEVING RODS WITH BULBS	
POPTIBLE EYE WASH	1	DIOXIN SAMPLE KIT	
BLOOT PRESSURE MONITOR		PRESERVATIVES: HNO3 NaOH Other	
FIRE EXTINGUISHER	In vehicle	STRING	

VAN EQUIPMENT	No.	MISCELLANEOUS (Cont.)	No.
TOOL KIT	1		
	lea.	LIFE VESTS	10 pr
HTDRAULIC JACK LUG WRENCH TOW CHAIN VAN CHECK OUT Gas Oil	 	 	1.00
THE WALLET	 	<u> </u>	15 15 1
TOW CHAIN	 -	CONDUCTIVITY METER	
VAN CHECK OUT	 	PH METER	
Gas	 	CAMERA	<u> </u>
011		WATER-LEVEL INDICATOR	
Antifreeze		SPLIT SPOON SAMPLERS + veg. oil	2
Battery	<u> </u>	PVC HAND PUMP	<u> </u>
Windshield Wash		RESISTIVITY METER	
Tire Pressure		WELL POINT SAMPLER	
Suburbans	2ea.	ROBAIR PUMP SYSTEM	
MISCELLANEOUS		THERMOMETER	
CEALK		MASTERFLEX PUMP & FILTER APPARATUS	
LEVEL/TRIPOD AND ROD		SHIPPING EQUIPMENT	
BONLS	5	coolers Large netal	X
PITCHER PUMP		PAINT CANS WITH LIDS, 7 CLIPS EACH	
SURVEYOR'S TAPE	1	VERMICULITE at least 5 bags	1
100 FIBERGLASS TAPE	Iroll	SHIPPING LABELS	
300 NYLON ROPE		DOT LABELS: "DANGER"	
BILON STRING		"UP"	
SURVEYING FLAGS		"INSIDE CONTAINER COMPLIES"	<u> </u>
FILM	2 rolls	"HAZARD GROUP"	
WHEEL BARROW		STRAPPING TAPE	X
BUNG WRENCH		BOTTLE LABELS	_
SOIL AUGER		BAGGIES	×
BICK		CUSTODY SEALS	×
SHOVEL / posthole digger	1each	CHAIN-OF-CUSTODY FORMS	Х
CATALYTIC HEATER		FEDERAL EXPRESS FORMS	X
PROPANE GAS		CLEAR PACKING TAPE	X
BANNER TAPE		Bungee cords (for holding	2.
SURVEYING METER STICK		Bungee cords (for holding rear doors of Suburban open.)	
CHAINING PINS & RING			
TABLES			
WEATHER RADIO	Ī		
BINOCULARS	·		
MEGAPHONE	i		

ecology and environment, inc.

ON-SITE SAPETE MEETING

Project West 78th Circle Site	TDO/POR FUNO172-SA / 8903-001			
Date Time	Job No. FT1305			
Address 4470 W. 78th St., Bloomington,	MN.			
specific rocation Cattle Co. Restaurant	Darking Lot			
Type of Work 5 sor's samples from a	un-site locations, 3 Res. wells from			
nearby if cannot be found, 3 pro	cess wells from nearby.			
	0 .			
, SAFETT TOPI	(CS PRESENTED			
Protective Clothing/Equipment	•			
Chemical Reserve				
Rediction Espards				
Marian Transfer	•			
Physical Hezards				
Emergency Procedures				
Nospital/Clinic	Telephone			
Nospital Address				
Special Equipment				
Other				
Checklist				
	familiar to all tous sembers?			
	location known to all team sembers?			
• •	be working within the exclusion area. Daily informal			
update sectishs will be held when site tasks and/or				
ATTEMPERS (Expend on beck of sheet if necessary)				
Name Printed	Signature			
	<u> </u>			
	<u> </u>			
Meeting Conducted by: (Print:	(Signature)			
VECTOR.	(27Augrafa)			
(Site Safety Coordinator)	(Team Leader) 533			

A

ON-SITE SAFETY LOG

ECOLOGY AND ENVIRONMENT, INC. CHIC-GO

A. ON-SITE M	ONITORING			
		ACKGROUND READING		ON-SITE READING
EQUIPMENT	USED I	N BREATHING ZONE	CALIBRATED AT	IN BREATHING ZONE
1. OVA				
2. Oz Meter				
2. <u>Oz Meter</u> 3. <u>Explosime</u>	fer _			
4. RAD MINI				
4. RAD MINI 5. Monitor				
B. PROTECTIV	E CLOTHIN	G WORN:		
			······································	· · · · · · · · · · · · · · · · · · ·
				
				·
C. SITE NAME	: West 78	th Circle Site #	N/JOB NUMBER: F	MO172SA/F05-8903-00
				•
DATE:				
WEATHER C	CONDITIONS	•		
•	ATTENDEES	M. CTOO.		
NATES OF	AIIADES	M SILE:		<u>. </u>
	· · · · · · · · · · · · · · · · · · ·	·		
D. COMMENTS C	IN MONTTOR	ING OR PROTECTIVE	CLOURING:	
			 	······································
				
				•
	NAME		SIGNATURE	
TEAM LEADER:				
	<u> </u>			
SITE SAFETY O	OFFICER:			

(P.D. Moss 12/87)

Vehicle Safety Checklist Ecology & Environment, Inc. Chicago Office

Date:	Time:	Odometer:
Vehicle Model:	Color:	License Plate No
INTERIOR: All Safety Belts-Proper Locking Parking Brake START ENGINE: Oil Pressure Instrument Panel (Varning Lights or Buzzers) Horn Windshield Wiper & Washer Heater/Defroster Mirrors Steering (Loose) Interior Lights Emergency Flashers Starts Properly FRONT: Headlights (Dim/Bright) Turn Signals Emergency Flashers REAR: Tail Lights Brake Lights		MECHANICAL OPERATION: Engine (misses, knocks, etc.) Check Oil Vater/Anti-freeze Viper Fluid Brake Fluid OUTSIDE: Tires (properly inflated) Gas Tank Cap EMERGENCY EQUIPMENT: Fire Extinguisher First Aid Kit Flags, Flares, Spare tire (properly inflated) Tire Changing Kit (jack, tools, etc.) REMARKS:
Back up Lights Turn Signals Emergency Flas	•	
TEAM HEHBER/OPERATO		signature
SITE NAME/ADDRESS: PAN/JOB NUMBER:	West 78th Circle S UND1725A/F05-8	ife, Bloomington, MW 903-001
<u> </u>	RETURN OF VEHI	CLE TO DUTY STATION
Vehicle Cleanliness Remarks:		
Corrections Necessa	ry:	
TEAN HENBER/OPERATO	R: (print	name) . signature
Date:	Time:	Odometer:
9/88	-	

red Ried Haper

Vehicle Safety Checklist Ecology & Environment, Inc. Chicago Office

All Safety Belts-Proper Locking Parking Brake Check Oil Check Oil Vater/Anti-freeze Viper Fluid Oil Pressure Instrument Panel (Varning Lights or Buzzers) Born Vindshield Viper & Vasher Heater/Defroster Hirrors Steering (Loose) Interior Lights Emergency Flashers Starts Properly Tire Changing Kit (jack, tools, etc.) FRONT: Headlights (Dim/Bright) Turn Signals Emergency Flashers REAR: Tail Lights Brake Lights Brake Lights Turn Signals Emergency Flashers TEAM KEKBER/OPERATOR: TEAM KEKBER/OPERATOR: Vehicle Cleanliness: Remarks: Corrections Necessary: TEAM MEKBER/OPERATOR: (print name) Codometer: (print name) Signature Odometer: Odometer: 9/88 133724	Date:	Time:	Odometer:
All Safety Belts-Proper Locking Parking Brake Check Oil Vater/Anti-freeze Viper Fluid Oil Pressure Instrument Panel (Warning Lights or Buzzers) Born Vindshield Viper & Vasher Heater/Defroster Hirrors Steering (Loose) Interior Lights Emergency Flashers Starts Properly Turn Signals Emergency Flashers REAR: Tail Lights Brake Lights Brake Lights Turn Signals Emergency Flashers REAR: Tail Lights Brake Lights Turn Signals Emergency Flashers TEAM MEMBER/OPERATOR: TEAM MEMBER/OPERATOR: Corrections Necessary: TEAM MEMBER/OPERATOR: Corrections Necessary: TEAM MEMBER/OPERATOR: Corrections Necessary: TEAM MEMBER/OPERATOR: (print name) Signature Odometer: Odometer: 9/88 133244	Vehicle Model:	Color:	License Plate No
All Safety Belts-Proper Locking Parking Brake Check Oil Vater/Anti-freeze Viper Fluid Oil Pressure Instrument Panel (Warning Lights or Buzzers) Born Vindshield Viper & Vasher Heater/Defroster Hirrors Steering (Loose) Interior Lights Emergency Flashers Starts Properly Turn Signals Emergency Flashers REAR: Tail Lights Brake Lights Brake Lights Turn Signals Emergency Flashers REAR: Tail Lights Brake Lights Turn Signals Emergency Flashers TEAM MEMBER/OPERATOR: TEAM MEMBER/OPERATOR: Corrections Necessary: TEAM MEMBER/OPERATOR: Corrections Necessary: TEAM MEMBER/OPERATOR: Corrections Necessary: TEAM MEMBER/OPERATOR: (print name) Signature Odometer: Odometer: 9/88 133244	INTERIOR:		HECHANICAL OPERATION:
Parking Brake	All Safety Belts-	Proper Locking	
Water/Anti-freeze Viper Fluid Oil Pressure Instrument Panel (Varning Lights or Buzzers) Born Vindshield Viper & Vasher Heater/Defroster Hirrors Steering (Loose) Interior Lights Emergency Flashers Starts Properly Turn Signals Emergency Flashers REAR: Tatal Lights Brake Lights Brake Jights Brake Jights Brake Jights Brake Lights Brake Lights Brake Lights Brake Lights Brake North Member/Operator: TEAM MEMBER/OPERATOR: Vater/Anti-freeze Viper Fluid Brake Fluid OUTSIDE: Tires (properly inflated) Fire Extinguisher Fire Extinguisher Fire Extinguisher Fire Extinguisher Fire Changing Kit (jack, tools, etc.) REHARKS: REHARKS: REHARKS: Emergency Flashers REAR: Tatal Lights Brake Lights Brake Lights Brake Lights Brake North Circle Ste, Blandington, MN PAN/JOB NUMBER: MNO 172.5A / Fost 8 903 - 001 RETURN OF VEHICLE TO DUTY STATION Vehicle Cleanliness: Remarks: Corrections Necessary: TEAM MEMBER/OPERATOR: (print name) signature Date: Time: Odometer: 9/88 1372.46		•	
Oil Pressure			Water/Anti-freeze
Instrument Panel (Varning Lights or Buzzers) Born Vindshield Viper & Vasher Heater/Defroster Mirrors Steering (Loose) Interior Lights Emergency Flashers Starts Properly FRONT: Beadlights (Dim/Bright) Turn Signals Emergency Flashers REMAR: Tail Lights Brake Lights Brake Lights Brake Lights Emergency Flashers TEAM MEMBER/OPERATOR: (print name) RETURN OF VERICLE TO DUTY STATION Vehicle Cleanliness: Remarks: Corrections Necessary: TEAM MEMBER/OPERATOR: (print name) Signature Odometer: Odometer: 9/88 1372,4	START ENGINE:		Wiper Fluid
(Varning Lights or Buzzers)	Oil Pressure		Brake Fluid
Horn	Instrument Panel		
Windshield Viper & Vasher Beater/Defroster Mirrors Steering (Loose) Interfor Lights Emergency Flashers Starts Properly Beadlights (Dim/Bright) Turn Signals Emergency Flashers REAR: Tail Lights Brake Lights Back up Lights Turn Signals Emergency Flashers TEAM MEMBER/OPERATOR: (print name) RETURN OF VEHICLE TO DUTY STATION Vehicle Cleanliness: Remarks: Corrections Necessary: TEAM MEMBER/OPERATOR: (print name) RETURN OF VEHICLE TO DUTY STATION Vehicle Cleanliness: Corrections Necessary: TEAM MEMBER/OPERATOR: (print name) Signature Odometer: Odometer:	(Warning Lights of	r Buzzers)	OUTSIDE:
Heater/Defroster Mirrors Mirrors Steering (Loose) Interior Lights Emergency Flashers Starts Properly FRONT: Headlights (Dim/Bright) Turn Signals Emergency Flashers FRAR: Tail Lights Back up Lights Back up Lights Emergency Flashers TEAM MEMBER/OPERATOR: (print name) SITE NAME/ADDRESS: West 78th Circle Ste, Bloomingfon, MN PAN/JOB NUMBER: FMNO 172 SA / F05 E 8 9 05 - 001 RETURN OF VEHICLE TO DUTY STATION Vehicle Cleanliness: Remarks: Corrections Necessary: TEAM MEMBER/OPERATOR: (print name) Signature Date: Time: Odometer: 9/88 1373.4	Horn		Tires (properly inflated)
Heater/Defroster Mirrors Mirrors Steering (Loose) Interior Lights Emergency Flashers Starts Properly FRONT: Headlights (Dim/Bright) Turn Signals Emergency Flashers FRAR: Tail Lights Back up Lights Back up Lights Emergency Flashers TEAM MEMBER/OPERATOR: (print name) SITE NAME/ADDRESS: West 78th Circle Ste, Bloomingfon, MN PAN/JOB NUMBER: FMNO 172 SA / F05 E 8 9 05 - 001 RETURN OF VEHICLE TO DUTY STATION Vehicle Cleanliness: Remarks: Corrections Necessary: TEAM MEMBER/OPERATOR: (print name) Signature Date: Time: Odometer: 9/88 1373.4	Vindshield Viper	& Vasher	Gas Tank Cap
Steering (Loose)	Heater/Defroster		•
Emergency Flashers	Mirrors	·	EMERGENCY EQUIPMENT:
Emergency Flashers	Steering (Loose)		Fire Extinguisher
Emergency Flashers	Interior Lights		
Starts Properly Spare tire (properly inflated) Tire Changing Kit (jack, tools, etc.) Headlights (Dim/Bright) Turn Signals Emergency Flashers REMARKS: Emergency Flashers REAR: Tail Lights Brake Lights Back up Lights Turn Signals Emergency Flashers TEAM MEMBER/OPERATOR: (print name) SITE NAME/ADDRESS: West 78th Circle Signature PAN/JOB NUMBER: FMNO172-SA/Fos-8905-001 RETURN OF VEHICLE TO DUTY STATION Vehicle Cleanliness: Remarks: Corrections Necessary: TEAM MEMBER/OPERATOR: (print name) signature J signature Odometer: Odometer:	Emergency Flasher	·s	Flags, Flares,
Tire Changing Kit (jack, tools, etc.) Headlights (Dim/Bright) Turn Signals Emergency Flashers REMARKS: Emergency Flashers REAR: Tail Lights Back up Lights Turn Signals Emergency Flashers TEAM MEMBER/OPERATOR: (print name) SITE NAME/ADDRESS: West 78th Circle Ste, Blannington, MM PAN/JOB NUMBER: FMAN0172-SA/F05-8903-001 RETURN OF VEHICLE TO DUTY STATION Vehicle Cleanliness: Remarks: Corrections Necessary: TEAM MEMBER/OPERATOR: (print name) signature Date: Time: Odometer:			Spare tire (properly inflated)
### Headlights (Dim/Bright) Turn Signals Emergency Flashers REAR: Tail Lights Brake Lights Back up Lights Turn Signals Emergency Flashers TEAM MEMBER/OPERATOR: (print name) SITE NAME/ADDRESS: West 78th Circle Site, Elemington, MW PAN/JOB NUMBER: FMN.0172.5A / F05-8905-001 RETURN OF VEHICLE TO DUTY STATION Vehicle Cleanliness: Remarks: Corrections Necessary: TEAM MEMBER/OPERATOR: (print name) signature / (print name) signature Date: Time: Odometer:			Tire Changing Kit
Headlights (Dim/Bright) Turn Signals Emergency Flashers REAR: Tail Lights Brake Lights Back up Lights Turn Signals Emergency Flashers TEAN MEMBER/OPERATOR: (print name) Signature SITE NAME/ADDRESS: West Reactions See, Electrons No. MN PAN/JOB NUMBER: FMN.0172-5A/F05-8905-001 RETURN OF VEHICLE TO DUTY STATION Vehicle Cleanliness: Remarks: Corrections Necessary: TEAM MEMBER/OPERATOR: (print name) Signature Date: Time: Odometer: 9/88 1372-6	FRONT:	•	(lack, tools, etc.)
Turn Signals Emergency Flashers REAR: Tail Lights Brake Lights Turn Signals Emergency Flashers TEAH MEMBER/OPERATOR: (print name) SITE NAME/ADDRESS: West 78th Circle Signature PAN/JOB NUMBER: PMN/0172-5A/F05-8903-00 RETURN OF VEHICLE TO DUTY STATION Vehicle Cleanliness: Remarks: Corrections Necessary: TEAM MEMBER/OPERATOR: (print name) Signature / (print name) Signature		right)	(January Country Count
Emergency Flashers REAR: Tail Lights Brake Lights Back up Lights Turn Signals Emergency Flashers TEAM MEMBER/OPERATOR: (print name) signature SITE NAME/ADDRESS: West 78th Circle Site, Electringson, MN PAN/JOB NUMBER: FMNO172 SA/F05-8903-00 RETURN OF VEHICLE TO DUTY STATION Vehicle Cleanliness: Remarks: Corrections Necessary: TEAM MEMBER/OPERATOR: (print name) signature Date: Time: Odometer:		~~ **	RRMARKS:
REAR: Tail Lights Brake Lights Back up Lights Turn Signals Emergency Flashers TEAM MEMBER/OPERATOR: (print name) Signature SITE NAME/ADDRESS: West 78th Circle Ste, Electrington, MN PAN/JOB NUMBER: MN0172 SA/F05-8905-00 RETURN OF VEHICLE TO DUTY STATION Vehicle Cleanliness: Remarks: Corrections Necessary: TEAM MEMBER/OPERATOR: (print name) signature Date: Time: Odometer:		:s	
Tail Lights Brake Lights Back up Lights Turn Signals Emergency Flashers TEAM MEMBER/OPERATOR: (print name) SITE NAME/ADDRESS: West Rth Circle Ste, Bloomington, MM PAN/JOB NUMBER: FMN 0172 SA/F05-8905-00 RETURN OF VEHICLE TO DUTY STATION Vehicle Cleanliness: Remarks: Corrections Necessary: TEAM MEMBER/OPERATOR: (print name) Signature Date: Date: Time: Odometer:			
Tail Lights Brake Lights Back up Lights Turn Signals Emergency Flashers TEAM MEMBER/OPERATOR: (print name) SITE NAME/ADDRESS: West Rth Circle Ste, Bloomington, MM PAN/JOB NUMBER: FMN 0172 SA/F05-8905-00 RETURN OF VEHICLE TO DUTY STATION Vehicle Cleanliness: Remarks: Corrections Necessary: TEAM MEMBER/OPERATOR: (print name) Signature Date: Date: Time: Odometer:	RRAR:		
Brake Lights Back up Lights Turn Signals Emergency Flashers TEAM MEMBER/OPERATOR: (print name) Signature SITE NAME/ADDRESS: West 78th Circle Sie, Bloomington, MN PAN/JOB NUMBER: FMNO172-SA/F05-8903-00 RETURN OF VEHICLE TO DUTY STATION Vehicle Cleanliness: Remarks: Corrections Necessary: TEAM MEMBER/OPERATOR: (print name) signature Date: Time: Odometer:	Toil Iichto		
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(print name) signature SITE NAME/ADDRESS: West 78th Circle Site, Bloomington, MM PAN/JOB NUMBER: FMN0172-SA/F05-8903-001 RETURN OF VEHICLE TO DUTY STATION Vehicle Cleanliness: Remarks: Corrections Necessary: TEAM MEMBER/OPERATOR: (print name) signature Date: Time: Odometer:		· ·	• · · · · · · · · · · · · · · · · · · ·
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SITE NAME/ADDRESS: West 78th Circle Ste, Bloomington, MN PAN/JOB NUMBER: FMNO1725A/F05-8903-001 RETURN OF VEHICLE TO DUTY STATION Vehicle Cleanliness: Remarks: Corrections Necessary: TEAM MEMBER/OPERATOR: (print name) signature Date: Time: Odometer:		(print name) .	signature
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